

## ANALYSING DATA WITH POWER BI

TRANSFORM YOUR DATA INTO RICH VISUALS THAT BRING IT TO LIFE!

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Course Code: 10989

Duration: 2 days

### Introduction:

Microsoft's Power BI is a suite of tools that enables any user to quickly visualize and analyse data with greater speed, efficiency, and understanding. It connects you to a broad range of data through easy-to-use dashboards, interactive reports, and compelling visualizations. It also allows you to quickly share that analysis and insight with other stakeholders across any device.

### At Course Completion:

After completing this course, students will be able to:

- Describe key features of a self-service BI solution
- Describe Power BI and its data sources
- Model, shape, and combine data
- Describe Power BI data visualizations

### Prerequisites:

This course requires that you meet the following prerequisites:

- Some exposure to basic programming concepts (such as looping and branching) – but not essential.
- An awareness of key business priorities such as revenue, profitability, and financial accounting is helpful.
- Must be very comfortable with Microsoft Excel (PivotTables and VLOOKUPS).

### COURSE CONTENT:

#### Module 1: Introduction to Self-Service BI Solutions

In this module students will be introduced to the key concepts in business intelligence, data analysis, and data visualization. In addition they will learn the rationale for self-service BI, considerations for using self-service BI, and how Microsoft products can be used to implement a self-service BI solution.

##### Lessons

- Introduction to business intelligence
- Introduction to data analysis
- Introduction to data visualization
- Overview of self-service BI
- Considerations of self-service BI
- Microsoft tools for self-service BI

#### Module 2: Introducing Power BI

This module introduces Power BI.

##### Lessons

- Power BI
- The Power BI service
- Power BI mobile apps

#### Module 3: Power BI Data

This module describes Power BI data sources.

##### Lessons

- Using Excel as a Power BI data source
- Using databases as a Power BI data source
- The Power BI service

#### Module 4: Shaping and Combining Data

This module describes how to shape and combine data.

##### Lessons

- Power BI desktop queries
- Shaping data
- Combining data

#### Module 5: Modelling Data

This module describes how to model data in Power BI.

##### Lessons

- Relationships
- DAX queries
- Calculations and measures

#### Module 6: Interactive Data Visualizations

This module describes Power BI visualizations.

##### Lessons

- Creating Power BI reports
- Managing a Power BI solution